

Substitute for form 1449A/PTO <div style="text-align: center; font-weight: bold; font-size: 1.2em;"> INFORMATION DISCLOSURE STATEMENT BY APPLICANT </div> <div style="text-align: center; font-size: 0.8em;"> (use as many sheets as necessary) </div>				Complete if Known	
Application Number		10/632224			
Filing Date		7/31/2003			
First Named Inventor		THOMAS C. McDONALD			
Group Art Unit		2183			
Examiner Name		EDDIE CHAN			
Attorney Docket Number		CNTR.2141			
Sheet	1	of	4		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
M		5706491	01-06-1998	Steven C. McMahan	
M		5313634	05-17-1994	James Eickemeyer	
M		5961629	10-05-1999	Nguyen et al	
M		5832289	11-03-1998	Shaw et al	
M		5828901	10-27-1998	O'Toole et al	
M		5864707	01-26-1999	Tran et al	
M		6035391	03-07-2000	David L. Isaman	
M		5353421	10-04-1994	Emma et al	
M		6081884	06-27-2000	Paul K. Miller	
M		6250821	06-26-2001	Greg Schwendinger	
M		5805877	09-08-1998	Black et al	
M		5948100	09-07-1999	Hsu et al	
M		6233676	05-15-2001	Henry et al	
M		5623615	04-22-1997	Salem et al	
M		6175897	01-16-2001	Ryan et al	
M		5734881	03-31-1998	White et al	
M		6260138	07-10-2001	Jeremy G. Harris	
M		6823444	11-23-2004	Henry et al	
M		6256727	07-03-2001	Robert Greg McDonald	
M		5931944	08-03-1999	Ginosar et al	
M		5881260	03-09-1999	Raje et al	
M		4860197	08-22-1989	Langendorf et al	
M		5142634	08-25-1992	Fite et al	
M		5163140	11-10-1992	Stiles et al	
M		5404467	04-04-1995	Saba et al	

Examiner Signature <i>James M. Hall</i>	Date Considered <i>2/13/2006</i>
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Sheet	2	of	4		

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		Number-Kind Code ² (if known)			
<i>M</i>		5687360	11-11-1997	Po-Hua Chang	
<i>M</i>		5761723	06-02-1998	Black et al	
<i>M</i>		5867701	02-02-1999	Brown et al	
<i>M</i>		5964868	10-12-1999	Gochman et al	
<i>M</i>		5974543	10-26-1999	Hilgendorf et al	
<i>M</i>		5978909	11-02-1999	Oded Lempel	
<i>M</i>		6088793	07-11-2000	Liu et al	
<i>M</i>		6151671	11-21-2000	D'Sa et al	
<i>M</i>		6314514	11-06-2001	Thomas C. McDonald	
<i>M</i>		6502185	12-31-2002	Keller et al	
<i>M</i>		6601161	07-29-2003	Rappoport et al	
<i>M</i>		6647467	11-11-2003	Eric M. Dowling	
<i>M</i>		5355459	10-11-1994	Matsuo et al	
<i>M</i>		5850543	12-15-1998	Shiell et al	
<i>M</i>		6108773	08-22-2000	Col et al	
<i>M</i>		5513330	04-30-1996	David R. Stiles	
<i>M</i>		6457120	09-24-2002	Balaram Sinharoy	
<i>M</i>		5634103	05-27-1997	Dietz et al	
<i>M</i>		6044459	03-28-2000	Bae et al	
<i>M</i>		5530825	06-25-1996	Black et al	
<i>M</i>		5812839	09-22-1998	Hoyt et al	
<i>M</i>		5604877	02-18-1997	Hoyt et al	
<i>M</i>		6134654	10-17-2000	Patel et al	
<i>M</i>		4181942	01-01-1980	Forster et al	
<i>M</i>		5687349	11-11-1997	Ralph C. McGarity	
<i>M</i>		6279105	08-21-2001	Konigsburg et al	

Examiner Signature: <i>James M. H.</i>	Date Considered: <i>2/13/2006</i>
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				Group Art Unit	2183
				Examiner Name	EDDIE CHAN
				Attorney Docket Number	CNTR.2141
Sheet	3	of	4		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>mm</i>		5968169	10-19-1999	James K. Pickett	
<i>mm</i>		6085311	07-04-2000	Narayan et al	
<i>mm</i>		6308259	10-23-2001	David B. Witt	
<i>mm</i>		5623614	04-22-1997	Van Dyke et al	
<i>mm</i>		5768576	06-16-1998	Hoyt et al	
<i>mm</i>		6170054	01-02-2001	Mitchell Alexander Poplingher	
<i>mm</i>		6279106	08-21-2001	James S. Roberts	
<i>mm</i>		2002194464	12-19-2002	Henry et al	
<i>mm</i>		5721855	02-24-1998	Hinton et al	
<i>mm</i>		4200927	04-29-1980	Hughes et al	
<i>mm</i>		6185676	02-06-2001	Poplingher et al.	
<i>mm</i>		5394530	02-28-1995	Mayumi Kitta	
<i>mm</i>		6886093	04-26-2005	G. Glenn Henry	
<i>mm</i>		20040030866	02-12-2004	Thomas C. McDonald	
<i>mm</i>		20020194461	12-19-2002	Henry et al.	
<i>mm</i>		20020194460	12-19-2002	Henry et al.	
<i>mm</i>		20050132175	06-16-2004	Henry et al.	
<i>mm</i>		20050044343	02-24-2005	Henry et al.	
<i>mm</i>		20020188833	12-12-2002	Henry et al.	
<i>mm</i>		20050114636	05-26-2005	McDonald et al.	
<i>mm</i>		20040139281	07-15-2004	Thomas C. McDonald	
<i>mm</i>		20040139301	07-15-2004	Thomas C. McDonald	
<i>mm</i>		20040143727	07-22-2004	Thomas C. McDonald	
<i>mm</i>		20040143709	07-22-2004	Thomas C. McDonald	
<i>mm</i>		20040139292	07-15-2004	Thomas C. McDonald	
<i>mm</i>		20050076193	04-07-2005	Henry et al.	

Examiner Signature <i>James Moll</i>	Date Considered <i>2/13/2006</i>
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				Filing Date	7/31/2003
				First Named Inventor	THOMAS C. McDONALD
				Group Art Unit	2183
				Examiner Name	EDDIE CHAN
				Attorney Docket Number	CNTR.2141
Sheet	4	of	4		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
m	AA	Microprocessor Report, Vol.9. No.2. February 16, 1995. page 5	
m	AB	Microprocessor Report. August 23, 1999. page 7	
m	AC	YEH ET AL. Alternative Implementation of Two-Level Adaptive Branch Prediction. 19th Annual International Symposium on Computer Architecture. Pp124-134. May 19-21, 1992. Gold Coast, Australia	
m	AD	CHANG ET AL. Alternative Implementations of Hybrid Branch Predictors. Proceedings of MICRO-28. 1995. IEEE.	
m	AE	MC FARLING, SCOTT. WRL Technical Note TN-36. "Combining Branch Predictors. June 1993. Western Research Laboratory, 250 University Ave., Palo Alto, CA 94301	
m	AF	BRAY ET AL. Strategies For Branch Target Buffers. Technical Report No. CSL-TR-91-480. June 1991.	
m	AG	SAKAMOTO ET AL. Microarchitecture Support for Reducing Branch Penalty in a Superscaler Processor. Pp 208-216. Mitsubishi Electric Corp. 4-1 Mizuhara, Itami, Hyogo 664. Japan, 1996. IEEE.	
m	AH	IEEE 100, The Authoritative Dictionary of IEEE Standard Terms, Seventh Edition. The Institute of Electrical Engineering, Inc. New York: Standards Information Network IEEE Press Page 135.	

Examiner Signature		Date Considered	2/13/2006
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				Application Number	N/A
				Filing Date	Herewith
				First Named Inventor	Thomas C. McDonald
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	CNTR.2141
Sheet	1	of	1		

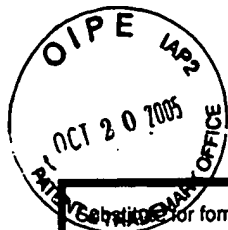
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Examiner Signature	<i>Jose Moll</i>	Date Considered	2/13/2006
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			Examiner Name	Eddie Chan	
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<i>M</i>		20050198481	09-08-2005	Henry et al.	
<i>M</i>		20050198479	09-08-2005	Bean et al.	
<i>M</i>		6895498	05-17-2005	McDonald et al.	

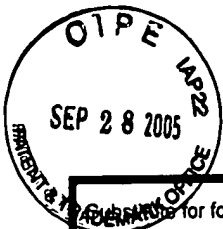
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	<i>Jane M. Hall</i>	Date Considered	2/13/2006
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Sheet

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First Named Inventor	Thomas C. McDonald
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Examiner Name	Eddie Chan
Attorney Docket Number	CNTR.2141

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		5850532	12-15-1998	Narayan et al	
		5752069	05-12-1998	Roberts et al.	

FOREIGN PATENT DOCUMENTS

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